CHANGES TO THE CLAIMS:

The claims have been amended as follows:

1. (currently amended) A rolling bearing for supporting a rotating member of a small motor of an information-processing device, comprising an inner race formed with a raceway groove, an outer race formed with a raceway groove, wherein the raceway groove of the inner race has a groove radius ratio in the range from 52% up to 54%, while the raceway groove of the outer race has a groove radius ratio in the range from 54% up to 56%, and wherein the bearing is designed to operate at a speed between 15,000 rpm and 20, 000 rpm.

2. (currently amended) A rolling bearing for supporting a rotating member of a small motor of an information-processing device, comprising an inner race formed with a raceway groove, an outer race formed with a raceway groove, wherein the raceway groove of the inner race has a groove radius ratio in the range from 53% up to 54%, while the raceway groove of the outer race has a groove radius ratio in the range from 53% up to 56%, and wherein the bearing is designed to operate at a speed between 15,000 rpm and 20, 000 rpm.

3. (new) A rolling bearing for supporting a rotating member of a small motor of an information-processing device, comprising an inner race formed with a raceway groove, an outer race formed with a raceway groove, wherein the raceway groove of the inner race has a groove radius ratio in the range from 52% up to 54%, while the raceway groove of the outer race has a groove radius ratio in the range from 54% up to 56%, wherein an internal radial gap is geometrically set in the range from 0.008 to 0.13 mm, and wherein the bearing is designed to operate at a speed between 15,000 rpm and 20, 000 rpm.

4. (new) A rolling bearing for supporting a rotating member of a small motor of an information-processing device, comprising an inner race formed with a raceway groove, an outer race formed with a raceway groove, wherein the raceway groove of the inner race has a groove radius ratio in the range from 53% up to 54%, while the raceway groove of the outer race has a groove radius ratio in

the range from 53% up to 56%, wherein an internal radial gap is geometrically set in the range from 0.008 to 0.13 mm, and wherein the bearing is designed to operate at a speed between 15,000 rpm and 20, 000 rpm.